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IN THE CLAIMS

Claims 1-3 (Cancelled)

4. (Cancelled)

5. (Previously presented) A method for enabling a first user to interact with other users in a virtual space, wherein the first user and the other users each have an avatar and a client process associated therewith, and wherein each client process is in communication with a server process, wherein the method comprises:

(a) receiving a position of at least some of the other users' avatars from the server process; and

(b) determining, from the received positions, a set of the other users' avatars that are to be displayed to the first user,

wherein steps (a) and (b) are performed by the client process associated with the first user.

6. (Previously presented) The method of Claim 5, further comprising the steps of

(c) monitoring an orientation of the first user's avatar; and

(d) displaying the set of the other users' avatars from based on the orientation of the first user's avatar as monitored in step (c),

wherein steps (c) and (d) are performed by the client process associated with the first user.

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7. (Previously presented) The method of Claim 5, wherein step (a) further comprises
(a)(1) receiving an orientation of at least some of the other users' avatars from
the server process.

8. (Previously presented) The method of Claim 5, wherein step (b) comprises
(b)(1) determining from the received positions an actual number of the other
users' avatars;
(b)(2) determining a maximum number of the other users' avatars to be
displayed; and
(b)(3) comparing the actual number to the maximum number to determine which
of the other users' avatars are to be displayed,
wherein steps (b)(1)-(b)(3) are performed by the client process associated with the
first user.

Claims 9-14 (Cancelled)

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15. (Previously presented) A method for enabling two users to interact in a virtual space, wherein the first user has a first computer associated therewith, wherein the first computer has a first client process associated therewith, wherein the first client process has a first avatar associated therewith,

wherein the second user has a second computer associated therewith, wherein the second computer has a second client process associated therewith, wherein the second client process has a second avatar associated therewith, and

wherein the first and second client processes are in communication with a server process, comprising:

- (a) monitoring a position of the first and second avatars by the first and second client processes, respectively;
- (b) transmitting the positions of the first and second avatars by the first and second client processes, respectively, to the server process;
- (c) transmitting the positions of the first and second avatars, by the server process, to the second and first client processes, respectively; and
- (d) determining, by the second and first client processes, from the positions of the first and second avatars, respectively, whether to display the first and second avatars.

16. (Previously presented) The method of Claim 15, further comprising the step of

- (e) displaying the first and second avatars when it is determined in step (d) that the first and second avatars are to be displayed.

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17. (Previously presented) The method of Claim 15, wherein step (c) comprises automatically transmitting the positions of the first and second avatars, by the server process, to the second and first client processes, respectively.

18. (Currently amended) A method for enabling a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, and wherein each client process is in communication with a server process, comprising:

- (a) monitoring, by each client process, a position of the avatar associated with the client process;
- (b) transmitting, by each client process to the server process, the position of the avatar associated with the client process;
- (c) transmitting, by the server process to each client process, the positions of at least some of the avatars that are not associated with the client process; and
- (d) determining from the positions-~~data~~ transmitted in step (c), by each client process, at least some of the avatars that are not associated with the client process that are to be displayed.

19. (Previously presented) The method of Claim 18, wherein the step (c) comprises the step of automatically transmitting, by the server process to each client process, the positions of at least some of the avatars that are not associated with the client process.

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20. (Previously presented) The method of Claim 18, wherein step (d) comprises

- (d)(1) determining an actual number of avatars that are not associated with the client process based on the positions transmitted by the server process;
- (d)(2) determining a maximum number of avatars that can be displayed; and
- (d)(3) comparing the actual number to the maximum number to determine which of the avatars are to be displayed.

21. (Cancelled)

22. (Currently amended) A method for operating a server to enable a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, wherein the server has a process associated therewith, and wherein each client process is in communication with the server process, comprising:

- (a) receiving, from each client process by the server process, data indicating a position of the avatar associated with the client process; and

- (b) synchronously disseminating the positions of the avatars not associated with a particular client process to each of the other client processes ~~a packet of information including the data received in step (a)~~ so that the particular client process can determine from the positions ~~packet~~ a set of avatars that are to be displayed.

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23. (Previously presented) An apparatus for enabling a first user to interact with other users in a virtual space, wherein the first user and the other users each have an avatar associated therewith, and wherein the apparatus comprises a first process associated with the first user, other client processes associated with the other users, and a server process in communication with the first client process and the other client processes, wherein

- (a) each of the other client processes is operable to
 - 1. monitor a position of the avatar associated with the other user;
 - 2. transmit the position of the avatar to the server process;
- (b) the server process is operable to
 - 1. receive the positions of the avatars associated with the other users;
 - 2. transmit the positions of the avatars associated with at least some of the other users to the first client process; and
- (c) the first client process is operable to
 - 1. receive the positions of the avatars associated with at least some of the other users; and
 - 2. determine from the received positions a set of the other users' avatars that are to be displayed.

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24. (Previously presented) The method of Claim 5, wherein step (b) comprises determining from the data a set of the other users' avatars that are to be displayed to the first user, wherein the set comprises less than all of the other users' avatars.

25. (Previously presented) A software program for enabling a first user to interact with other users in a virtual space, wherein the first user and the other users each have an avatar and a client process associated therewith, and wherein each client process is in communication with a server process,

wherein the software program comprises instructions for causing the client process associated with the first user to perform the following steps:

- (a) receiving a position of at least some of the other users' avatars from the server process; and
- (b) determining, from the received positions, a set of the other users' avatars that are to be displayed to the first user.

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Please add the following new claims:

26. (New) The software program of Claim 25, wherein the software program further comprises instructions for causing the client process associated with the first user to perform the following steps:

- (c) monitoring an orientation of the first user's avatar; and
- (d) displaying the set of the other users' avatars from based on the orientation of the first user's avatar as monitored is step (c).

27. (New) The software program of Claim 25, wherein step (a) further comprises instructions for (a)(1) receiving an orientation of at least some of the other users' avatars from the server process.

28. (New) The software program of Claim 25, wherein step (b) comprises instructions for

(b)(1) determining from the received positions an actual number of the other users' avatars;

(b)(2) determining a maximum number of the other users' avatars to be displayed; and

(b)(3) comparing the actual number to the maximum number to determine which of the other users' avatars are to be displayed.

29. (New) The software program of Claim 25, wherein the at least some of the other users' avatars include all of the other users' avatars.

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30. (New) A software program for enabling two users to interact in a virtual space, wherein the first user has a first computer associated therewith, wherein the first computer has a first client process associated therewith, wherein the first client process has a first avatar associated therewith,

wherein the second user has a second computer associated therewith, wherein the second computer has a second client process associated therewith, wherein the second client process has a second avatar associated therewith,

wherein the first and second client processes are in communication with a server process, and

wherein the software program comprises instructions for performing the following steps:

- (a) monitoring a position of the first and second avatars by the first and second client processes, respectively;
- (b) transmitting the positions of the first and second avatars by the first and second client processes, respectively, to the server process;
- (c) transmitting the positions of the first and second avatars, by the server process, to the second and first client processes, respectively; and
- (d) determining, by the second and first client processes, from the positions of the first and second avatars, respectively, whether to display the first and second avatars.

31. (New) The software program of Claim 30, wherein the software program further comprises instructions for (e) displaying the first and second avatars when it is determined in step (d) that the first and second avatars are to be displayed.

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32. (New) A software program for enabling a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, and wherein each client process is in communication with a server process, wherein the software program includes instructions for:

- (a) monitoring, by each client process, a position of the avatar associated with the client process;
- (b) transmitting, by each client process to the server process, the position of the avatar associated with the client process;
- (d) transmitting, by the server process to each client process, the positions of at least some of the avatars that are not associated with the client process; and
- (d) determining from the positions transmitted in step (c), by each client process, at least some of the avatars that are not associated with the client process that are to be displayed.

33. (New) The software program of Claim 32, wherein step (d) comprises

- (d)(1) determining an actual number of avatars that are not associated with the client process based on the positions transmitted by the server process;
- (d)(2) determining a maximum number of avatars that can be displayed; and
- (d)(3) comparing the actual number to the maximum number to determine which of the avatars are to be displayed.

34. (New) The software program of Claim 32, wherein the at least some of the other users' avatars include all of the other users' avatars.

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35. (New) A software program for operating a server to enable a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, wherein the server has a process associated therewith, and wherein each client process is in communication with the server process, wherein the software program comprises instructions for:

- (a) receiving, from each client process by the server process, data indicating a position of the avatar associated with the client process; and
- (b) synchronously disseminating the positions of the avatars not associated with a particular client process to each of the other client processes so that the particular client process can determine from the positions a set of avatars that are to be displayed.

- 36. A computer readable medium including the software program of Claim 25.
- 37. A computer readable medium including the software program of Claim 30.
- 38. A computer readable medium including the software program of Claim 32.
- 39. A computer readable medium including the software program of Claim 35.